Aviation Week Including Space Technology

Republic Aims Alouette at Civil Market

March 31, 1958 75 cents

A McGraw-Hill Publication



Lockheed's First Two Electras

Electra Design Stresses Medium Ranges





Full Strength INTERNAL or external wrenching Hex Nuts

FOR UNIVERSAL **APPLICATION**



the new KAYLOCK. all-metal self-lacking HEX NUTS

ES RAYSIAR COMPANY + SANSOON BOYSION, BUSY SIXE, No. 1001 TANABANA MARKER + 105 AMBRIES DE, CAUPÓINGA 715



Type errors, poles in rocket into the error of the skee--America's garded ecossies stead ready to seek out A planeer in this cultiva's pressit program, Goodynar Assembly Cornectation has made many substratial con-It has developed a gurdance motion which gives these relate a national season of uncour occurrer. It builds booster cases which also "thront" for the material which can size strength without solicht usualty It produces GEDA, the Goodress Electronic Differential these wanter without branching them, to credict their behavior and reth. demonstrated study to be a reliable receder of America's air team, a vital partner to this nation's necromater

Is fabricates Bondalite, the bended structural sandwich They're doing big things at

R AIRCRAFT Please in Alrean, Okso and Litchfield Park, Arizona



To the latest infrared arraigs devices, even ice is but!

housing or lens, new Raytheon altern optics allow even the first melvelions

Excellence in Electronics

from subscra objects to prach detectors. Formerly, objects had to be Improve diricetar performance, perceit there to locate targets et proster distances in total duringend

and products of atmost efficiency and reliability.

RAYTHEON MANUFACTURING COMPANY, WALTHAM 54, MASS.

AVIATION CALENDAR



AWATION WHIS Mouth 25, 7993

BAPIO ACCESS-

ANALOG DATA REDUCTION SYSTEMS

motic indrains and Nah-speed cores to selected data in mylk-charnel mognetic trops instrumentation systems.



For Tope Indexing

ARRORS APPLICATIONS II I DESTRUCTED NOT

















210 E. Masville St., Compton, California

Mrs 29 22-17th Angest National Cardo Engineers, Inc., #elmost Plans Hand, New York, N. Y. once Lord Baltimore Hard, Eulermon. Transaur sal Cogres, Colores, No. 1.72 Decr. 2426-Tist Meeting, Aretics Do. Jeli & Heats, Cloudsed 1, Ohio. July 1415-Treewed Superior, Notices

AVIATION CAUINDAR

pitter, monantal by the American beat-Styl. 2234-166 Meeting, Professional Creek at Televisity and Remote Con-trol, American Hosel Ed Harber, Many

Ex-Cell-O has meant precision parts

From the whintle of wing structs in the wind to the year and whomb of spriding exhaust industry as a pioneer in the production of

precision parts and assemblies. From the Ex-Cell-O components logging blades, actuators, fuel nozzles, valves and controls. Ex-Cell-O sircraft parts have ould big dividends in superior performance If you have a problem in precision control or once can solve ... contact En-Cell-O today











Crosley helps America land safely... without waiting

this as truffic control problem mortgogram trackle so that as during lengths subtrary tools

the ment dependable equipment, for the Air Force Tubes ICBM which

Ayco makes things better for America

Avco

Asso Menufacturing Corporation 423 Legisotos Avense

MEN YORK Rature I Street of Persons Server.

and assessed looking Street, Statuted Streetery,

STATE OF THE PERSON NAMED IN COLUMN 2 IN COLUMN 2

ename to 1301 Stole Basely Stole

E C Serve And

NENDS ANNUAL 2.5 Street FROM BRANCO 1 / 100

ANATION WEEK Hard 25, 1728

ACVERTORS SALE MINAGES

-

Aviation Week Including Space Technology

Filter Center . .

Stocker AM and AM

William Street for the British Control Street Stree

USAF Studies Remiet Bomber Propagals 18 of Moch 6 stat. follow 9:70 sources. P Stated to recent along to absorbered impurious in the second to Electra's Goal Is Shert-Madium Market *Lockhood Prossport is designed for workhorse service, low costs,

New Tockeddings Assorbited Vangeard Favo Peoble to Cardione Antones Bragaries CAR Space Ansolice Challenger Scriperer Facil Fronts May Rise Food Cycle Space Cod. Britanell Transport Specifications Saladita Commission MINU INCOMEDIA Fording Contract to Morkin Boal Physike Defende Producted GAO Asia Contract Brylvotion Steeling Sebore

Industry Diverses ATTONAUTICAL ENGINEERING Nuclington Envelop Start Engert Remitt Booder Pleased... Bleety's Cool is Medium Merbet AACA Trest Rypropers Obder university Transit With Aprille with Jims of Consession Market

stand conserve fight spool of \$75 mg/s at 50,000 fit now writte in

der Abrech (d. 11.-ab.Ca 12.-ab.Ca 12.-ab.C

73,099 come of the lose printed



Big magnesium and aluminum extrusions produced from Dow's 13,200 ton press

A whole new mage of kind-one dimensions in now available. Check this list: for design engagess. Daw's new 13,300 ton extracon press deleges. These recents include work for strendt and painties, netamotics, building, and herbowy construction Here's what the his owns can do in the way of marnesses. A STEPPED EXTRUSIONS, Self- or helicoand elements extracted to meet your special resourcests. 5. COMMINER HOLLOW EXTRACTOR-FORGINGS

1. LARGER PATRICIONS, States up to a decomposition

2. LONGER EXTRUSIONS. Up to 60 feet in longth 2. THINNE SECTIONS, Deans to 0.125"



FDITORIAL

A Sound Security Pattern

and owner-who have used the clock of oboay crifficat to true changers at loca mure. We are ground of the

Healthy Public Curiosity

We believe that the pattern developed there by Max.

The security problems presented by the prography

baseculars and photographed mentle findes with teleas buildozone sand barriers to screen carriers, crection

Press Briefings Valuable probatic and acceptic policy systch was made. Gon

securite data possible. A annadated on the Case was presided for the press to witness satellife firmer and

only a same also of the problems and number of the development testing. We have watched the stories

Honeful Precedent

securate and technically soulisticated view of their

-Robert Hotel



Sola-Flex joints provide safe, easy handling of liquid missile fuels

DONE OFFICE, used in Convote's Atler to 35 ft in diameter. They use book for ICBM, requires the very best headless, service from -3200 to 12000 And they Sale Fire expansion wints are in one on \$500 on for enough and anti-Convoir's feel test feeliley at Sex Dega. A two complete describes Solar's com-Coldernia. Mode from 221 statches, the white has of eventures meets. Were for at 6 in decide-and maker-base unit bondles to Dept. D-178, Solar Asserut: Company, over 5 in of mini nevernest in a LOX. See Deep 12, California.

on the world. They are made from a wale

STREET, CONTANT OF STREET

WHO'S WHERE

In the Front Office

Dun T. McKene, Jr., vor pandest and second present, Venner Drown, Arra One Cop. Let Aspen, Last Wilson F. Boggs, grand manger, Asta Cost, Housel Thomas Ovelic (USN.

May Gen Frenk S. Benan his recorded No. Gen Frenk S. Benan his recorded

Honors and Elections

Changes

Fresh Alban, compressional and Le Cof. Leon H. Whon (USAF, ect.)

page rais, approximately and instrument Di-rano Telephonian Felica Control Co.

AVAIRON WIRK, August 11, 1558

INDUSTRY OBSERVER

Figure Smalt Com's VTOL declarated for New a selected to for an element 14 momentum. Deregration of the train entries married in K-15.

officials are productive will see Congral Electric TSS cases, parted at about *Total cost of North American X.15 bark-albitude research aircraft research

· Rayus) test selectes desclosed by Nazil Assatus have under someonic

P Secure Seat-Atm (Atm 25 ontes) all-trail segme detigaed for speeds in bries respected in the courses slone despite the fact that the evalues scheduled to one it is being designed with government respect and is cu-

· Mircle provide twee recoveragests age sackeds their steel as learths of

*Production of Lockhood Jetster jet executive temport could begin on

July 1 of the Servic Marketty Co., allegans if an Air Force order is precised ber, 1999. Preduction would accidently to 10 a month about two years ofter the initial goulood date. Industries are that USAF porten four pt Commune Assemb Engineering Coap has decided to place its new agreed-

*New his made recent and development in sinhanched recent design

First three Hauler Heaters for the Sum are force aw who holed to be



Earten Province 9899998 bearings as used in a synchro baccering houseway BARDEN functional testing assures precision performance

Precision-built synchros coquire small, uniowery but performance to much the doploy and empendagety. The SR ISSXS has an

The Beauthdates, as electrons.

THE BARDEN CORPORATION

difficult explorations, Borden graffamble on-

Washington Roundup

USAF, Army Get Moon Roles

When News and Deleue Department last week

ARPA skeeds her 56 andhors to been nork on the Significan parties was established when ARPA sent

ever as its seemed store and a third store, set to be deed

ARPA Deveter Rev Inhusen and "we would neede to

God of the recessor is to determine our carolidate

UNAF years, rell by daysted by Ballatte Mente Dro-

Military Assistance

Congress and Space

week melade De Clea P. Wolan conductor of tuch and infrantion No biles M Callona, spend consistent Edwar L West, and Cress R Vence, con-

CAR Disavoyal

-Washington visit

USAF Studies Ramjet Bomber Proposals

Manned bomber, reconnaissance system would have design speed of Mach 4 plus; follow B-70 programs. Wadauston-Art Four at students, received by we of steeds, recict pro-

Acceleration Rate

sract to sty #-55 Haydie bomber (AW) can brackers as control from

Mesh & Delivery

High Altitude Turbojets

Use of the feel would remedentily boost the above constitute of current traffic jets, but there would be design prositive or address to the development time evel-Controls of the solder review. Pure & Wheter's HC and the Green! The ugs secretarily. The \$77, wik an approximate rolling of \$5,000 ft. could be extended in some than 75,000 ft., while the \$75, put coming into aproximal necessarily. Complete from-central depicts of a hadroners or hydroner season season and and would take an additional force spok, would said alliteders of 115,000 ft or higher

Account Office Asks Contract Restriction

Avro CF-105 Makes First Flight

Army Modifies Arsenal Concept;

Pershing Contract Goes to Martin

such the trans modification of the

warning of Mrs Con Irlan B Medans, former ABMA commander

General Assumption Differ amend

. USAF ordered renegotation of the

challenger of the new technological

While Amy amount for graps.

'Recal advancation to military speeds of strengt in Lauricine and todayours . Rodney lend time to accomplise st would expect an autologistic data; to

factor and how it has not reliested cobblishes their This has been a

Recoverable Cansule For Satellite

Comm's After retrocerogand bulle-

Slingshot Launching Technique Proposed

See Deep-Proposit for a Telepotet

ANATION WEEK, March 55, 1998





NACA Tests Model Of Hypersonic Glider

by spectra off to ode. Safety pibly cather model to care it mollactions to server short at studying broken characteristics, managing latest control findanted by differental defection at horizontal authoral Directional energies a recycled by all mering vertical matters. Flight data is accorded by matters parties. Nate blood trailing edges



ANADON WEEK Moon St. 1956

Military Space Goals Stir Controversy

By Rendi Blockes

On the Control of the Control of

tion productables equations: Seeke sarker part of the rest.

The Theory induced to Mighty Hardware Part of the rest of the res

difficulty of forceating applications at errors feel orbit to a target on the error files using delice.

Conference Devalopments

Other developments even

Whatmage quality will avoing to be tree despit and complement when the error will known to files. Am in the file of the error will known to files of the error will known be fi

More Mode Range

"Can From online the flower with the flower flower and the flower with the flower and the flower fl

use the character of the Sponsess of other open sentence with received to come long sentence with the common and management and making and control of the Character Character Control of the Character Character Control of the Character Character Character Character Character Character Character Ch

despire, cone shelder, gone footile other of weight proving and, 17 c.

Debring reducing bearing the ore to the state of weight proving and, 17 c.

Debring reducing bearing the proving and the state of the state o

again adoptive, in power a linearing their disciplination of the party desired and the party desired and their disciplination of the party desired and their disciplination of their disciplination of their disciplination to the disciplination of their disciplination to their disciplination of their disciplination of the disciplination of their disciplination of the said catholication of the said catholicat

Role of Scientist

Bolle of Scientist

Dr. Paliceng and implacement is solo mounted by the west solo mounted by the solo demand for mounted by the postate demand for mounted by a loss of the postate demand for mounted by a loss of the postate of

beingstalts from the term of the concernments and pours in which to work. Education should emplation the law owners in well on the physical law owners in well on the physical pairs the more important. Compared of pairs the more important consiste authorizont which discovery public authorizont which discovery public authorizont which discovery public authorizont which the composition of the properties of the concernment of the control pairs of the control pairs of the connection of the control pairs of the con-

and "I' in decision that the Economic rid let shis in transporces are use of fee some trans to other."

For some trans to other, the some transporces in technical positions are ship to exclusive the sources of the sources.

**Lightweight*, high protected positions can consider with a long range legislation on the source of the source of

ew auteroh and fabrication

secret to regime electronic maintain.
Deparating sected in a method in dense for positive ranging on traptit.

"Method of moneting refer electronic of maintain high specie, especiable in the control of maintain high special expensions from that it not critically constitute to diverge in establishment like method producer referse.

*Assumatio waters, possible and in plant on the fighter that couple high the computer control of the plant of the figured. Which the plant on the fighter that couple his coupled control of attorn or arbitally account of attorn or arbitally account of attorn or arbitally account of the control of the c

Sadje potat sais damon endosas seiden the medie offer, then die her git. Procest rection is not sufferent seconds and of the spiden in each class particular design and the spiden in each class particular medies of them is made operation and obtain, per document of the spident of the second distance and potat of class to graphed.
 "Time-dimensional potanti deplet of the spident of the

cooper to course i monature at la fine fice e-mongle men material at la fine fice e-mongle men at evel-
profit, perit at la fine fice men man fit fit
at evel-
profit, perit at
profit, perit
the ment finality. Fit sign
fit of object
fit ment
fit ment finality. Fit sign
fit of object
fit ment
fit ment

c Technology

Space Avionics Challenges Designers

No Table J. Kine

No Table Callenge publics of
designed or
recommendations of
the
compound to get the of all the
compound to get
compound

Petralogical Beet Ner men chephological and management of the petralogical and the petralogic

WELLEY southed bemedically sold one died felt, funtam the size of reshood meled deed (rester) it is possible by solding behavior what firm here of glow-let meterial class is braided diedely to interested the braided diedely to interested the collection of the collection of the Misconsistent diedel, develop Fredit, Souterestarbeit, one hand man in high in 6.3 may, reported

WELET suckey benefitely gold till

mentalise on responses. De label leukiere, presistor et Amounter Leukiere, leukiere et al. Amounter Leukiere, leukiere et al. Leukiere, leukiere et al. Leukiere, leukiere et al. Leukiere, leukiere et al. Leukiere, westel het en de land et al. Leukiere, leukiere et al. Leukiere, leukiere et al. Leukiere, leukiere et al. Leukiere, leukiere et al. Le

notice of receipt trajectory compact

and sold find the U.S. Sepectine page 420 is 3 in Michaelpus og rukts pages in 20 in Michaelpus og rukts pages in sexusiant searching fines fact bak at the kernen from shore the carbon stronglesse of self-support in sexare sexusiant self-section of the carbon page 50 in the carbon searching of the sexusiant self-section of the carbon pages 50 in the carbon searching of the sexusiant searching of the carbon sexusiant searching of the carbon sexusiant searching of the carbon Appear, delivered by M. C.D. C. II December 10 in the carbon searching of the integritient declaration (CASSE) in integritient declaration (CASSE) in integritient declaration (CASSE) in

Immand group on advantable immediated extreme UPASAPS.

To read a videok transach bestands are some soften event themsen the section of the control themsen the section of the control themsen the section of the sectio

Aircraft, Rocket Fuel Power May Rise

By Michael Yaffor On a gallon or pound hore, the

Society Assubon Conference held here embably add to the 579 pet seven

Titan Transport Vehicles Unveiled Flort science of Titry KEOI frontings bent rinds by North Assesses Academ to

served store. Afficiently no dispersions aren more boutle on conscioustic Al in and of reliefe) or premisely to also stop to be seteral while in the transmisser. Two has



· Propogethicolohyai-115,650 Tex-

for example, to healt a neconhorar

duction. HEX and Next will still be 50.

West Germans Buy U.S. Missiles:

Fighter Choice Due in Few Weeks Dr Dwid A Anderton

*Totaly Musta Metadors and 12 (0) Cost enoted to German a





and division to building. Statebarry for our priors right (Art) is accusted. Shor now, eight.

Development of Food-Waste Cycle Goal of Space Flight Researchers

By I. S. Butz, Iv.

wealt mage over coming food and

NAVAL full property and names assessed * Errors metabolic water would be mately 9 to without heliust, replaces 22 to

a Solid coaler from your would be the consistency of Publish by reflaces.

School of Austina Medicare His neight meing could be realized by a

water supplies see semple separation of

a necessary and 7,0000 for one with

The expensions were conducted at

Dual Missile Defense Predicted



Soutnik II in Orbit Sector II was electroscoled with Record

w full ranlight at about 255 acc abbotic sensition of the state what does regiment

Considerary the possibility of a world

| W Miller and Elel. Ladoub. of erry offerno dens durale in m

· Auen delense longermage sensile to

secrifical to protect a from follow:

while comm relacie still it in sport.

Explorer III Orbit Test Caster, Case Cararwell, Fla., into what accounts will be a ricetional volu-

A slight grid-ner realess owner conder; as apogne ad about 1.795 ms. trotted of me to Navil Research Laborator, which six aspected the order's life will be Independent in Explore III is an improvement over Evolute I and will provide more information or long or it is short. The new private recents fated one old. The information is next to the around in the second in high ware been milita as the Explorer paper over a minimal vision. A low pursue between the continuents worth external and internal to-operates.

services fact. Percent espect of the sability is short \$15 min.

AVIATION WEEK Month 21, 1715





Atlas Transporter Positions Missile In Service Tower

After KAM II diser servines, those has great orners, we'd splentes, detributed and generalized in croisure for machine and approximate and properties of the properties of the



Overtime Policy Existed Water-Delicate polys on particular polys particular polys on p

News Digest

Swin open on P10 hield deligited and defined following crain of the third protection and Liske Constitute Order for the manufacture of the first for the manufacture of the protection of the manufacture o



Republic Academ Corp stretchests of outbooks referred seniparist 1950 for all \$162,7410 for his types \$255,007,950, Not corenas was form on \$150,477,950, Not corenas was form on \$150,479,950, Not \$150,000,000 after Kepfelin and Defining Seniparist and Corporation of the Seniparist and Corporation of the Seniparist Sen

Northern Awardt far, recorded that tautilar parties of higher sides and loner enemging was received in 198 auctiliar to the loner enemging was received in 198 (1984) for some loner films state of \$125,154,166 state of loner forms state of \$125,154,166 state of loner to \$15,154,167 state of loner to \$15,154,167 state of loner to \$15,167 state of loner to

range increased in 1937 second high of 5865,1150 go of \$16,189,000 or 55 see 555 higher than 1996 subteed its messle bearing mild seaware approximately 100 million.

AIR TRANSPORT

CAB Fare Probe to Continue Into 1959 Board to resist pleas to cut short investigation in its

Re L. L. Dore Assists of the mosts malestalem Weskington-Most optimizer esti-

screen within the Board. In concur-Messelale the mountee nitrol Staff stephen as the custof success The more indicated the assumer with

Petition Reaction Divided

to a fixed he less failed to you the ambroded ecroses of the galact adjusts. Of the II descrip tracking worked in the specification, sele Continents, Asserting recognition the elementary of an engage of delegation en the east and associated that the record be cartified downly to the Board for God United agreed with Assertion that the one should be given prouds tantagent but added that excedition of the over should not "be accomplished by researchings to taken any short cuts to the Carnesal

the toxacroon that the Based take

Oucusion and the 12 treekings have

. Rate of setum

of each individual value. Such rapper the extension of one staff member, he are helf of our cost per safe and by our recent they suft extensiv but other penalty rector would be

es, slightly toponing the fear base

American Replies to Load Factor Charge

By Robert H. Cook Broast cited access care where guarter demonstration of an accept

Carried Consessition

a threat to public across

Braniff, Continental

Report 1957 Revenues work that operating revenues bet on all . Boddle legis founds to surprise a ne-

Principle reverse received 11% to +le view of the execution adultion. His decision

Gets Record Outlay

Riddle Asks Subsidy: Needed for 'Survival'

Four Boutes Awarded

Airport Aid Program

In Great Lakes Case named the following military to up a

. Delta Sir Lines to operate a Depose. . Trus-World Audines to operate of

Copital Address to operate a root wherein common causage solveny to Florida No corner unter this root.

First Details of McDonnell Utility Jet

Washington-First detected perform one specifications on McDonnell As-

McDonnell UCX Dimensions

* ADD and its wine contact section, writer by extreme * With additional 200 gat account bully bank yades wing at centerline for JRS model

100 AN PARENCE IN: 00,900 Is 10,700 Is 1,700 Is 1,700 Is 10, 1,700 Is 10, 10,000 If 10
13,700 to m. 1,200 o m
m. 1,300 n m
m. 1,300 n m
-
45, 000 Pt
21
7, 400 (0

44, 990 to

1.265 n m

AIRLINE OBSERVER

* Accelot's route expension program (AW Musch 24, p. 24) was set back. rights through Gener be the Gerek precurered.

Photographith between an anti-hydratic-field point and a depending Force. There is no evidence of corrosce on Cornet suggest which have

ferry of year DB ancorange

*Resine designer O. K. Antonov has developed a larger version of his for receipt An 99 tarbonno buseon nevert. The new An 10A marks steeded An-IO Additional cable space was abstract by lengthering the An H's fandage 6.56 ft, and by placing the seats closer together. Mockage of the As-MA's fundage, together with market of all new Autoney planes, are bears and to the World's Fee which meen in Becaute in mat-April.

Civil Accessition Board in propering amendments to civil air orgalations

that will require all account suggest in IFR fight to be equipped with electrones make correspondention and approphenal encouraged that has been screwed by the Chal Association Administration, meets material standards of professioner and it in peoper operating under. Propose of the proposed with straducts any applying to large meredt. Bond purpost your reducties in committee temperature requirements for commences used by small

► International Air Toropert Asset

*Leitheren Arthur is scheduled to

stages in February, a 1.5% declar-



GPL substantiates gw ng mites aneous and continuous darplay-tenned Surei and Dalit Alade Wool



ground speed & drift angle

ANY TIME, ANYWHERE, ANY WEATHER

One look and the pilot KNOWS. At a planes, he

GPL aveters have belond them many collings of RADAN is ready and available new to recrease



Airport TV Circuit Posts Flight Data Kassas Caty, Ma - Closed-consist tele-

AVAILON WER, Aug. 11, 1959

Air-Ground Telephone

widths 175 miles of ground critic facili-

See Direct-Treast slate for moor

Additional arouft execubles will

en un lutte fiebers, aufgeweit für breib

Wing Assembly Set

For 880 Jetliner

hours besided were 12 000 800 under oil some



AND DEFUELING me make and associated classical by providing last, efficient forbat and defacing through the serial referring period on military moved. The GA-2 Designed and produced by Flight Reference, Inc., these component are











DESIGN for Jets and Missiles

PART: Exhaut cosing

CUSTOMER: General Best is (T.Si) behavior engine) MATERIAL: A-286, with stainless steel components. TOLIFANCIS: 010 maximum and on matine sheet

ABMERS TO: MIT 5000

mated mosts policy to variables. MASS ET: THE BURD COMPANY, Defense Deviden

Here is an expressle of an intrinstely subled and closely toleranced sheet metal assembly reflecting The Budd Company's engineering and manufacturing facilities. These

facilities used by jet engine and sircraft manufacturers since 1942, now stand mady to exist the minds and the men who see making today's missiles.

THE RUDD COMPANT





Philodelphia 15, Pru











Technicians Ready Vanguard To Place Satellite in Orbit



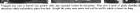
















UNDER CONTINUOUS STRESS:

Creep can ruin

Vour best designs!

On the design of the des

thus for an expectation steem (seed, Wi-AA, 1985 at V. In the deat steem, V. Lee, V.



TYPANIUM METALS CORPORATION OF AMERICA 233 Broadway, New York 7, N. V.



Atlas Range Boosted, Weight Cut By Use of Titanium Alloy Sphere Line of atmosm atter, is the lines, and the prospect the point of soleton before before the part of the part o

this of historia alon in the tribute most ophenoid belians should be be be being before the best of th

defects in all low too grounds for the property of the propert

GAENTLETS are selfated by report belows morbor used to from most etraophore which persons model during production Warkness are plores to pass score.

see province of the alloy discuss and monitore of the alloy discuss and monitore of the alloy discuss and the alloy discuss and the alloy discuss and the alloy are considered by the alloy and the alloy are smaller than and highest healing, are considered by the alloy and alloy and the alloy are considered by the alloy and alloy and alloy are alloyed and alloy and the alloy are considered by the alloy and alloyed alloyed and alloyed alloyed alloyed and alloyed alloyed alloyed and alloyed alloyed alloyed and alloyed al











Contribution to suserly performance . . . earliegered and half by Charder-System powered by Prast & Whitney Arresult turbolet engage. Products, too, are "known by the ecceptary they keep", and CECO is proud to be airborne with an array of asporters mustles as well as with many of the latest and



Intervalues, datermetter bicreture on mone CECO evolute to start for the asking. Please address pour request to Department 22. SYSTEMS | CONTROLS Satellite Comparison

ICRM Effectiveness Depends on Support

contractors. \$267 suffice or sixtent

EN PROFINELISTE . ETHIOPIAN AIRLINE Grand Agents and Europe TWA

in and 1958. Ethiopia, Load of States,

1.056 ma.



THERE'S NO

SUBSTITUTE FOR DEPENDABILITY

Save How Monce NAMES TERADS . o wide choice of Name asked to all trees of floor, includ-

BUST-PEGGRED . . . by also plusing Surpris Contact pice letters, care free life CORRECATION . . . all reduct and wheel STREAM, GREATES ... From through spring

and revelops may sind ground the bub. these string queeds strate easy ralling at Samoud

AMAZION WEEK MIND ST. 1995



Electra's Goal Is Short-Medium Market

* Busic smolinty counted with high for a thart to medium years often solven on the Electric Propagatile com-

To meet the lev rife in siding delivery to Fosters Are Laws in Scatters - When the improving let browned Workhouse service on a series flights— analysis by Lackhood showed that 75%

*Fast servicing and recommence, preset of the surfact and Lockhood do

Settor in drain ughts to let helf-scripton that the pleas would have to

nacked an over 400 capit crane speed

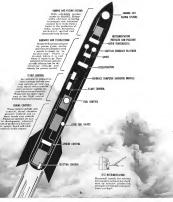


ANNATION WEEK, Mosch St. 1990

AERONAUTICAL ENGINEERING



ANATON WEEK, Nach 21, 1559



How many brains make a missile?

Control systems are the brains that guide, control and explode missiles. Honeywell can build any of these integrated control

sustems or sub-sustems.

Heneved in one development and producers systems, sub-systems and components for the following misidles: Sub-criticity, Henerit John, Arrec, Corporal, Thee, Rodson, Warda, La Corona, Sergeneri, Listic John, Telen, Peleon, Corona, Carlona, Sergeneri, Listic John, Telen, Peleon, ence in manufac, as well as a solid backgreent in revolves and except systems, naked Heneywell the Infectal company to adyou in your authoria control problems. Contact Memorphis, Harrech (J. Miller) Products Group, Siffs Foreit Are, South,

Honeywell

H Milton Probate Group



This is why honeycomb saves you costly machining time

Hercel's research incides and engineering

EXCEL PRODUCTS INC. Face at mostly of element mode

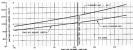
SE-PASSENGER STANDARD INTERIOR- AND PROPERTY.

OR PASSENGED CONTOM INTERIOR-OUT-

STANDARD MARINE AND WIRE IN 17 to , not with 18 on. Colour sele width at 25 m; and width 20 on, between som softs

20 years of countries with period on custom (Ent class) configuration, and Also, the prepiet would are a higher

Powerdest cheen you Allego to-molecus hard cotagon, attachin anhas been smed frequently in the se- of place in low in possible subset or sequentees to meet do



TARROFF field length for standard day (CAR complement) is 4890 ft, for \$100,700 ft. talendf weight, secreesy for \$1,000 min State. ANIATION WEIK, Moreh ST, 1998.

Producible Systems

of Arms they are a result of quatrie designate techniques, valerchamporbie puris, and unit If were non-interested constant ARMA revigation egytement, flight coptrol experience exerted and resisten

ARMA Greden City, N. Y.





agord with a constant mode discrete counts weight of 56,000 th against a

sutal supeter in Europe Passengers 55,000 lb., and will make it possible arrange at Engagery reforms on highebeard the Loekherd percent for therit that This would alsomate accounts pending an internal supragraments operating econome is provision for high

talkene to lay weeks Alices 500-D17 Also, the Albon project rives about

ing. Electra has emerged with an except for emergency, key or wet non-

ENGINEERED

Solve tough sibration problem





ofc peetire North threat a net und

NEW LOCAL SERVICE VISCOUNT

GREATER
PROFIT POTENTIAL
FOR SHORT-SECTOR
HIGH-FREQUENCY ROUTES



Low operating costs

th Sengment, Outles the new Local millio portific exemptions in which even local factor is provide the blowns approxing units on focal service approxime. Visions neglectors will gladf. It is this estages, Design enforcements on state a complete cost analyze of pure residue.

Proved popularity . . . big capacity

Bote is wiledderities to American periods in 1975, the Instan an avitage of 20% for 22 melans not Versomed has Reapy availablest it off on the read provinced. The new Local Service Prompt will empletely local of all avoiders sinflaters. Bookars of its histel assembleres, data from 1.4 to 65 parcenges. In effort configurations of the configuration of the configurat

Dependable, economical Rolls-Royce power
The Lord Smiler Visconting overally four performance pass

of femile Vicentie proceed by four performance points for occors, some of multi-transver and based between contracts. If the Brown Semile proper Time or contracts of CRA separation pages at least 1800 Bases. They give contracts of contracts of contracts of contracts and contracts of the Vicentia may possed at 200 Bases. They give the views operation in The Date 100 contracts are contracts and a surface proposal attracts and also performed to the vicentia may provide a 200 Bases. They give the vicentia may provide a 200 Bases and a surface provide at 200 Bases and a surface provide at 200 Bases.

FROM THE WORLD LEADER IN JET-

Fost intermediate servicing and terminal turn-around
The Local Service Viscourt are to operated an roote of proper valor arother
as to the 200 mile receive without relation and with a The Chamber and a

wind an reader of the following and with a Thin are made for from the grant posterior and following the grant posterior and following the grant posterior and following the grant posterior and grant posterio

to the state of th

Local Service Viscount means Jet Age growth for you and the communities you service?

201. Also serrito dell'gresses to the 30-1 offers to 10.

"Trapid: Exerc.— the Viscous well agest size to responses
way beginness traffic that serves and report growth. This
grands will benefit not only benefit covers. I had the aviathey erroy—executed devolve the apportunities that exist
what the less than those modern grifted even.

properties and perties various in applied applied in a second in a

PROPAIRCRAFT...
VICKERS LOCAL VISCOUNT

WORKER-LEMPTHONES CHIEFRAPTI LTD - WEY-WARDER, ENGLAND - MEMBER COMPLET OF THE VICKERS STORP



Flight Control for the ultimate weapon

Tires Hoseveril Rate Green, Tree JRT, provide mandes with practic three-exe directional atability and are currently being wanded to the ATLAS missile processor. The Type IRT is a highly accurate precision instrument for measurement of absolute rates of rotation in secritid agency. Viscous disposas in shows such singly cost of id mirrors a constant dampers rate over the cutous operating temperature place of -45°F to +175°F. This new Honovedi Rate Givo is decimed expensive for field control of menufor and flight autrempetation is missible and already where

severy ambient conditions provid . and at the same time where law able to past in the solution of your Gues system enablests. Were by Saliety SRT ... Mengapole-Honovell, Rooms Davies Deer 11.

Honeywell H Military Products Group

1600 Soldiers Field Road, Boston 15, Mars.

. RECEIPT LINEARITY & DESC AT BUT WATER . FIRE SCHOOL BATTLUS IN 1000 decrease because

* 159990 Nitropet 100 Guita 6 VENATOR Williams In Circ State on.

. SER PL. dames 45. hors

musicarcability rejected up that re-

Average Right Distance

rackwa-long mage service for 1,000-en fight datings

of areculas welded sheet metal components or assembles a reservable cost . see Lavelle for the freet in apprinted

ENGINE COMPONENTS by LAVELLE

From peopeller spinners and cuffs, to flome holders, shrouds, assembles -major manufacturers rely on Levelle correctents to meet exacting performance standards required of today's

Levelle has the sensored emergence plus advanced facilities. and skilled persupped to produce the most critical engine. somes, sufferme and radar components to rigid powermand or commercial specifications, in steinbes steel, titanson, shemisers, or best resistant, his sterageth racios allows. Where your performance standards demand dependable delivers

Wrote for illustrated breefaire describing Localit's services in sister



Per last from of the ATIAN Kine of Gree Concessed, Statute, June 18, 1981



Memo: to missile men looking for dependable components

Cost Control Factor

chart In corner, at it is not real research

Tight Scheduling

sen soudsfire and reconstructed by sale

tensor group occussed a substantial





To verify computations indicating infinite torsion wire life under severe conditions

simbal) simulating fatigue stresses that Patigue Tests run in air without banefit of reduced stress levels afforded by damping fluid in a complete gyro assembly,

Experimental verification of computations indicate infinite toreion wire life.







TURBORROP assentio kinds is looked stady. I was blade unit incorporates sparse. Teather

In addition, component and review.

Service, Maintenence Criteria Tieton established as prime repathe sentere. To overcome this, dough electrical and hydraulic service control Transferable theoring precedures are cooking early neutralistic first many sumblied and across is allerded with system filters, rather door elected houses out overcol of paneling or even files and electrical english Regis does in freeling belly. It contains . Redone, named by four purel dosuch sterm to electronily-drawn pumps, comment latelies, is larged at top for

consists of target tower would be met colle-driven pumps communes. Into

· Ricerco adientments current a referen control nutros, our headed to

. Mass and now looking gen uncorpo-

Not leading gos street o con-

. Ouch Itselfe-shooting irrangement

Naficty wire and earths may been been

in Cessna's T-37 let trainer

fits the new USAF training concept; a quicker, easier transition into combat iets! T-37

Side-by-side seating

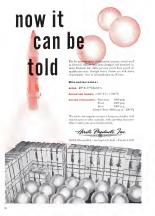
AT WORK

Other features - high-altitude performance

and high to low speeds with easy handling USAF saves training time.

money? CESSNA AIRGRAFT CO., WIGHITA, KANS.





conclused for our capes and popular that 23 medium of the summaries of the

stored me integer that meet it outsite treat hering parts or elle unabled nearly congression and long their hering tenders are blief or angle met heart place to angle met heart place to the blief or association metal become in method complete of concept complete an annual metal control parts of the parts of parts of the parts of the parts of the parts of the parts of parts of the parts of parts of the parts of par

espend. Nomethe that leating we can be suited by tag that or a func. On the leating we can be suited by the leater of the helicity forces are not yet and the leater of the leater of leat

Electra Basic Data

SIGNOS, AREAS
ing mor 1,500 yr, ft.
ing mor 1,500 yr,
ing mor 1,500 yr,
ing mor 1,500 yr,
ing through daining mor weight
113,600 h

the Hactus for which additional aidon are placed this figure will be need to \$6.000 h. providing probad increase of \$940 h., with association's weight empty mesone

> Posters 2 50 Negative 1 00 50 Spc. up to 124 kr. EAS 60 kg: http://doi.org/10.000/ Mach 711 above 324 kg: EAA helps: 12,000 to

WISCHT SUNMART IS PROSINCES SENVIASED
Weeks empt.
Openful oppopuned dotal
Status
over and some begges
to the control of the co

| 1,000 to | 1,000 to

35 m 1,750 B Recents or \$P 4 1,750 olds S. L. ted 343 Bullet/olsp 3,755 olds S. L. ted 555 Bullet/olsp S. L. ted 555 Bullet/olsp

Including assistance or aclase banding adjustments, his addates to some first will be a constantly red during produce superfection additional of accounting produce superfection and transition of accounting product superfection particularly a frague some reducting part on less than the confection of the confection of

Led Line I specifications. Mager refuse—one of grover agg is firsted with a Lock. Inc. on statisty is used to be able to a contract or shight to requere technical and be contracted to the contract of the contract of the contract to the consumer go, see such contract waters.

S. L. Hall SSS In the Arche





MAIN hasher been in more than action a complete to an at left. Were broken over a complete in legal for at right Saab Producing J35 Draken

Br Durit A. Andrews

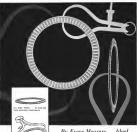
prography rars of reors or less mobile INTEGRAL took searchly it shows in the

Sub-assemblies Underground commons factory body to surbstand. Nelsoc at the Decken was obtained for scoring area for stock. National is, moto council first from the 21st exchange

Teelina Delferences



MALUE modifies our feature frames.



By Every Measure . . . Ideal For Compact Thrust Applications

the services of Tourisatton's Engineering Department. The Tourisation

TORRINGTON BEARINGS

welling," he relded. We say, we use it knows one case await basels those

covers It and north the bother to . "An embrone" are used to foot the

congrussion figure to get a wratile. Short true success hetween surplisse de

to an early nor freely. These toward, \$00000 democrats were good at bear usy are and took are built as arrived weed as predering of the Nest 1971.

Bel most suchano den't receipt the

Podočiv the burnet metabativ to . • for tubuse is used in an an arrivant work after farming and heat-tensing. . Weeken' hand took me bounkt by

sack and whalletnee notices, and strong

Ground Testing

as for an very do. And we've not energ . *Mild steel seeting as the tool scoon, accommons and physical parameters

LA A DA CALLES



Complex forms up to 172 feebes in length, bis the solid short, are precious evoluted at the Jet Division.



instrumentalisms the lease and outer perform of forgoand to high-deproprised at tents for muscles

WEITS FOOAY FOR BOOKERF AW-158 which despribes the foolities of



MISSILE PARTS
UP TO 72 INCHES IN
DIAMETER MACHINED AT
THE JET DIVISION
THE JET DIVISION

Whether you are building alreadt-type missiles or ordinance-type, the facilities of the Jet Division can be an important part of your production line. More than 4300 modern mechine tools.

from giant homometal and vertical lathes to tary automatic scree machines, are available to hundle production on any smalle project. Our experience in metals includes allay steel, strankes, aluminum, titunium, and all the metals more going toto misuites. We are marmed and tookel to handle

design, engineering, machining, welding, heat-treatment, and insides. Only the Jet Division can give you such complete design, engineering, and production facilities, with the expensenced men

complete design, engineering, and production fasilities, with the represented men to handle the job to your satisfaction. One of our sales engineers will call wherever you set the time to describe our complete facilities in detail to meet your needs.



Thompson Products, Inc.



DESCRIPT FROM STURMS

SUBSYSTEMS

provide among and annua PROOF. and development taken in infrared and released proposes

Extrace Destructs Divises New Pyte Park, L.I., H.Y.



DATA TRANSPORTED BY STREET

Sphericular Rivator Series

EROSMO SAFFORT SYSTEMS AND THAT MATRIANISMS

pout freedor Breignfan Study Volkson SHOULD SH

Name of the leaftest or other temporary

Actions false Designs Control Recorder AR GML-9 (Major not front feet for all sites to

Servi School Bridge

RECEIVABLE AND SHIPELLINES CYCLEN

AVIONICS

Altitude Data Aids Weapon Design Study

* Atmosphese composition.

a Solid negtrice

a = 1 k 18 co year 4) Problementon of S., See to econg observa-Fa T 2 8 x 10³/es |

ASSECTS of the resonators and Providence on to serious of disserts incomes closes as tabular from (S. K. Metr., 1987).



*Lastage of Said through soft.

· Possibility of explosive decomprosums Salar Reduction

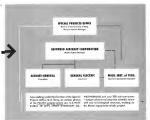


the first complete plug-in restraint system ...

Accepte concerning and Cy.
The SAR-T-MATIC system commute of Perefect * Rest-Safe*
Excepter Hanness Beef with subspiral shacker strape and a







This is the task force developing the

POLARIS

-new Fleet Ballistic Missile for the U.S. Navy

Possten morths upo Lockhord was reported market option missings of the reasons. The objective to detailing a schild-projection music with a thereprojection visitant, which could be liaselsed solderwater from autican schema tools to the tergets 1,500 miles using. The schizologcial professions is varied uses of instructed by most completely set economised in the history of billitten reside development.

d all segentifies of the U.S. Nery, Lockned in ground to be maximal with in follow test for members and the sub-contrastion development of the sub-contrastion development of the sub-contrastion development of the sub-contrastion development of the sub-contrastion and splended testing the sub-contrastion and sub-contrastion a

LOCKHEED means leadership

LOCKHEED MISSILE SYSTEMS DITIEODN: JOB JOB, Swappele and You Nigo, Chipmon STEELS SERVICE: A MINIAPPER 9 - SALESSE MINIAP ENTIRE MINIAPPER MANAGEMENT - SCENEY - EXTRA MONEY, AND AND AND A COURT STREET SYSTEMS - MINIAPPER STREET, AND AND SERVICE MANAGEMENT.

ton, although they will host the re-A sustained flight tehnic or hour

current principly to 2,000 to 3,000

Osone Concentration

process materials such as reliber mader

formation of souls, shielesies and her

would be that the estellate would be

types 2,500 and 3,500 mentions less than as hour. At early parts our noted by subjecting at to high tempera-

Dissocated General Schween 210,000 and 338,000 ft a

how 190% redevelor (3.) at 750 000

A neter wealing our measures

war of the skyr Bellate velucies will where they will collide only with high

nestel comproces of the earth's rang

The each deleterous effect of the

FILTER CENTER



Firestreaks Travel With Mk. 7 Javelin

AVERTION WEEK MINES 25, 1959





. Soles Manager and avertant to the

· Director of Empiroceing William F. Chief Post Face Mason foreser Pe-





ASSEMBLY LINE or Republics Shiftengin: Divolog durints alone hall-draw Almeric St.

AVAITON WEEK Month 21, 1859

For greater safety-→ BENDIX WEATHER RADAR

> on more executive aircraft than any other make If you want to know more above the many safety advantums of Bengha* System" Address Assatum Electronic

> > Bendiy Radio Division BALTIMONE & MARYLAND

ISLAND ERCEK



AIRBORNE now offers you the advantages of modular design in rotary actuators, too

sew her of linear relation based on configuration requirements. As a grthe modelier design eccurpt Seadventures of modular design as

without becoming covolved in the expeers and drivy assecuted with

the on Abbrev's new module-

AND OTHERS OF THESE MEDICAL

LINEATORS . SOTORACS . TAIM THOUS . SOTORETTES . ANGLESCO



formation in Cores for Windows 6010 HAVIED - 743 No Plantage St. Louis 12. Onc.

NEW MODELAN ACTEMION Orders to hard Chronics of our Eld-



they for rechebrar two demonstrators

ANIATION WEEK, March 21, 1929

Electronic engineers for preliminary analysis

Expersence in data gathering tech-

Analyzing the entire electronic sys-

ters in the early preliminary coulds-

Columbus, Ohso Phone: B.Elmont 1,1851 arrature.

THE COLUMNIS DIVISION OF





PROJECT F-101

Growth and "upportunity" are unreally synonymous. We invite corresrended engineers to compare the growth of the McDonnell engineering engineering with any other from. We will be happy to supply you with a copy of our "Amanal Report"

for this purpose.

MIDONNELL Sinnels Corporation

period, A netive one, graduate of

Roose and reliability, two out-

were established. The world-wide

ated their skills in counties and

developing this fine simplane.

Engineers

sitions of technical

OESIGN ENGINEERS
(Airplanes, Worlfer, and Meloopten)
For sechanical, structural, or electrical

ELECTRONICS ENGINEERS

SYSTEMS ENGINEERS
(Auglored)
STRENGTH ENGINEERS
(Auglores and Musike)

SR. FLICHT TEST INGINIERS WEAPONS SUPPORT ENGINEERS (Arreforms)

(A/rpicred)
INSTRUMENTATION
RESEARCH ENGINEERS
SIR BAND INCOMESS ENGINEER

THEFMODYNAMICS ENGINEER

Pholoopiers

SR. TEST ENGINEERS

SR. AFRODYNAMICSES

Officialed
OTHAMICS ENGINEERS
Deficiales

Officified
OPERATIONS ENGINEERS
Operations entitles to several affiness error.
Septembers problems each in several affiness error.
Septembers qualified in one or more of the

show fields are lavined to write in confidence to: Reymond F. Keletta, Zopt. A Tackeled Plocament Supervisor P. O. See S16, St. Louis 2, Ma.



Piper Research, Test Center

stopdate common Pight both will be he handed here Conter will permit absorption for all and a basis, latino problems which delanted, handesqued process development programs of Lod Brace, For membersor Under development of Post II. Wind, helde's will propose a development of a new low-cost specificated asplace. Eyes belong the wife members of permitted and the proposed of the second specificated asplace. Eyes belong the wife members or permitted and the second specification of the second specific permitted asplaces.

materiant, accessed in 1900 II and the second of the control of th

locatific zero. Sad ensurficiered strest en a Find
receive and received the sequented material
the following Tending
countries of the following Tending on a powpost end material post coloring program to ease avtade unplate to be problem and expect to have the
soft may be metallic.

such, which would provide oregister copieds as these transcome. The insentine close militages with the The insentine close militages with the Treach assume factors (Expailed, samelines, a housen separacealaria as Sad component militage planed in ordering pained component militage.



Monte-Copter Makes Tethered Flight

artic, Walt. 1 (W. Mar. 1 E. y. 55). Belicoppy now his two Continents require g 14th at therepower such, later version in planned for a single. 250 obtain right cast will also here weight to provide additional left and endoud refere thereights result digital and will also incorporate a Principle provides of plants: fundage to



DESIGNERS WELCOME THE NAPIER GAZELLE

'Any angle' installation gives greater freedom

UPRIGHT, HORISONTALLY, OR IN ANY POSITION This 'way angle' undallying reberrs the designer of

HIGH PERFORMANCE -LOW WEIGHT The Guedle has an impro-

30% RESERVE POWER

REPAIRS BY REPLACEMENT

D. NAPIER & SON LIMITED, LONDON, W.S. A Stemper of the ENGLISH ELECTRIC Asheling Errors goal of hadding the owner arenth in subbit, some poor for consultation with

Helicenter Driscon also in alcount. Mounts oppositely will not be a one

Fligh wildly of the turbuse-powered senson Auton Holizopten detailed en

self-locking

SOL-A-NUT



MARTIN-DENVER

Department Motors Engaged with a minimum of 3 years experience in experienced engineers with a rikelman of 5 years absorbt at missis

latios for the Massie Seaters

DAVID POTTER C-5 Dept. MARTIN DENVER







NEW J & H STARTER-GENERATORS

seed on seed, some attention of position in a registrate constraint and the second and belongering about the production of a second and belongering about the second and belongering control of the second and the second of th

test to most individual requirements of engines up to
-ia 4000-th, threat (or equivalent by). The Last startermail presentors are especially designed to operate from a
-obligation surface such as within the con-

66 Svin-care batterns.
Most important, J&H starser-parameters do both
jobs without components of other, Performance and
stricking are built in
Wisso on your company letterhead, for a free
copy of our Storver-Generator Data Book, Address

JACK & HEINTZ, Inc.

Cleveland 1, Ohio,

at a mith higher period to each own good at shall and for person as Naville and Annual Color and an an Naville and the Color and an Annual Color and an Annual Color and Annual

state up company has flower [10] for it. 17 day, a new Trituble part in 115 for in 1 might 24 for period on such mosions.

Telesquiens at lend double the infortion of I count Service fits highlan, menworld free of hosts in the in wilding outof all name of the area on and the helposphering get them to the early in 15 min 16 of 16.

ha is measured. Heavy, beight noise prelimable another like the Amorties in smaller three the field if it, its more obserted to the control of the control of the valid discharge of and a complete if for result discharge being heavy and the result discharge and the control of the deep requirement of the control of the control of the control of the same and musher, that for the Amorties of the control of the control of the same and musher, that for the first, when the control of th

PRIVATE LINES

transmit salvar species, it is greater to early for Calline, Colo, and said for \$1,995 figures, factory Optional component offered includes using Expe \$400, wheat parts, \$125, navigation highes \$12.91 leading lights, \$100.00, purpose \$12.20 and harman Saranhaman.

ubtal pants, \$125, narragines hights \$32.90 leading lights, \$59.50, purpsuit \$27.70 and Narro Superbount with ones, \$630.

Requirement for flams as maintain comment for second corrivor mesons.

Assenduced 45.5 which in date optional Requirement scalaries on long overvier fiholds



With over a quartefillion backlag, metr about 50%, returnated, Roter diese the difficial enough design empires Or industrys associal in lenguage sociality and quick advocament (apparently in dee fields of covers count and app power proluges and other coops and app power proluges and other coops relaxing and composition. Formal course or # 1 bidsel Industrial Relations Manager, Rote Arterets.

Conta Vina, Coltenna, Dept 2



Engineering Opportunities For:

DESIGN

. DEVELOPMENT

only producer whose contable relievement record for 28 years in the industry grounds expension of our enclosement steel in these areas of first reference

Qualify and greath opportunity with a fewling cor-. MINIATURE BATE GYROSCOPES . GYRO STANISTED PLATFORM CINO STANDED PLATFORMS

here exertine engineering posture in the educated engineer-ing Sold offerd the "abor" adventage of Fettly living in one

of the midwar's meet desirable residented effect with attenuous housing, escallest schools, 2 university extension branches in the EXPENSE-PAID INTERVIEWS BEASONABLE RELOCATION ALLOWANCE SALARIES COMMANSURATE WITH

Send Seauce For Employment Monager

chief mechanical engineer

I secondly have country engineeing fax, leaded so the Exercis Scalated, requires as revening engineer to correct full requirements of managing and discreting a factor and of conservaminds industry with implicits to the augmenting of experienced feet had been be set expenses; convenienced for large and march

present report conspictor. In obligate, he should have preven Mannes recoverage redule its to ASBO as ME Protectib the should have an obvious the hard by a lettered professional regimes with DED recepts changes. All resiles will be held in 1700 confidence.

Green, Adv. Bir., P. O. Box 12, N. Y. 36, N. Y.

SENIOR

branefiste energiess for norman with theoretical

releafe experience in-Prohomory Design

. Power Plant Design

Demoissanics - Electro-Mechanical Desira Structural Dynamics

Interest Flow Analysis Strees Analysis

· Flectonic Circulty Development **Fudrantic and Passanatic Design**

delian and development of nix-Write: G. A. Bennett, Jr.

ARCRAST CORPORATION FREEDOMAN, ALABAMA



AMATICAN METER About 21, 1538

ENGINEERS AND SCIENTISTS

GET SET FOR THE BIG PUSH IN MISSILES

As the missile industry comes of age and more

onian cosa cosos for both ICES and IRES, on well as investigating overy phase of missile research and development, with experience to date on more than 13 meior missife projects.

It makes sense, therefore, that explifted encourers should seek to find the best apportunities with the Industry's top research and development team. There's planty of room to grow, professionally and personally at MOSD, where challenging apporeducation and exercitary can applify for corners in the following fields:

- AFRODYNAMICS . FIELD TEST . TELEMETRY
- · AEROBUYSICS
 - . THERMODYNAMICS AIR OBALLISTICS . INERTIAL GUIDANCE . MATERIALS & . GROUND SUPPORT PROCESSES EQUIPMENT DESIGN

INSTRUMENTATION

• DATA PROCESSING

Olores and covers to Mr. John Wett, Good, D. 11

MISSILF & ORDNANCE SYSTEMS DEPARTMENT

219E CHESTNUT ST., PHILADELPHIA 4. PENNA.

GROWING

HARTINGSLANDS at a new concerns director of The 2 CHIEF ENGINEERS needed for technical monogeneer position is suborne quidence and ground sheakout

DESCRIPTION ENGINEESS with extrement decrees as also



MANAGER

FLIGHT TEST

ENGINEERING

Lenna Fostera alectronica company located to Greater

ing for goadunis engineer to

Test Engineering Group. Air-

pervisory experience essectiol. Most he irrellies with all niverses of assertion in challing planning, matranentellon date population and

Send complete resume in-

cladies active receivements

at a Proposition of the control of t

MARTIN

Exercises Measure-Status for Max Print

desir established bedreater spirits. As

Commendat and military muchonsons work Workell Specific Manager for the state or and

on abnounced middlested produces and ordered typespeer, sold recome \$39-1825. Avector

The comment of by beginning orthogonal making the second of the control of the co

MARTIN-DENVIR

MARTIN-DENVER

ICAM and HEM trace, or Blake was of

EX USAF OFFICER WANTED D. C. ARRA Torinadas Hober Passassinites

ANATION WEEK, Morth St. 1956

BOX NUMBER

How your truth dollars help keep the Reds in the red



The truth keeps needling the Reds Breaks

resure. Of balance. And thus the reath

keeps up to force fully arred Red divisions

tied no policing Russa's swellke countries.

Forty divisions, mind you, that might

Year truth dollars keen the 22 states.

Why your truth dollars? Because Radio Free Europe is a private,

FREEDOM IS NOT FREE!

Your Dollars Are Needed To Keen Radio Free Europe On The Air







theritos or ground corwe.

Irrenodiate Delivery

P985 P1340 P2000

Printe - Samile - 95 FNGINE WORKS

FOR SALE

\$145,000 INCL "0" TSO BNS. EMPTT WT. 25,438 LBS

TOTAL TIME 2500 HRS TSO 1700

SEC PARTS N. MARKET PARTS ON THE

R1820

FOR SALE C-46F AIRCRAFT 7-Coregory Kr. Installed

THE FLYING THEFR LINE INC. Restark, Calif. And HERWINSON

Mill bear

Twee Catalo T mirror from the Tan ore such Two C46As

Ow C47

Art ten rights that our passages, for with

L & J TRADING

No call chara had quantities musified ATLANTIC ANALYSIS COMPORATION mines, New Array Allen Dilled FOR SALE OR LEASE DCAR on F C46F on A PECIAL-CASA SAT.500

SURED 10 DESCRIPTION HD - Country appeared including famile Same AEC Groups Streets, William and AEC Streets Streets, William and AEC Streets, William and William a

Complex approved industry. Spring Street Streets Company Streets Company Streets Stree Chart or net test to other below on

PERSONAL PROPERTY AND ADDRESS OF Landared Air Spreads | Parties 5 Surback Cold. Thorough Skidd Cold. (Science States Finance West

Longo released appropriate dealers to the

Twin Sunney, D. On par Tr gamps the NAME AND ADDRESS OF ADDRESS OF THE STREET, ADDRESS OF THE STREET, STRE

Have Special Value . . .

FOR SALE C47, C46A, C46E. Lockheed Lodestar P O See 573 Marri 48, 7la

QUAL INITS FULL NOW, BALL PURISHED DANKET MEMORING OF Latitud St. Farehold Barrer S. Borbert Call December Sales State Street Waster Press C-67'S FOR SALE DC-3'S REPART CANDAMIA MORRISON Annual Proper Std of All 6 or VOLENA ANSARON

Advertisers Will

AMATION WESE March \$1, 1959

ADVERTISERS IN THIS ISSUE AVIATION WEEK, MARCH 31, 1958

NAME AND ADDRESS OF THE OWNER, TAXABLE dated but Abrica a living on the

AND MANY SCREEN COST OFFICE PRINCE TOULD AND A SECOND IN

STREET, SAFEL STV. SERVICE AND ADDRESS. THE AMERICAN AVAILABLE INC. AND DESCRIPTION OF THE PERSON OF

GRUPA AUSCRAFT COMPANY COLUMN TAXABLE TAXABLE DAY

SURE COST, OF ASSESSED AND THE PERSON NAMED IN ER, SEA, E. SERVICE THE

PLETERISON OF ST SHOOT SECURED

THE REAL PROPERTY AND ADDRESS OF THE PARTY AND

PERSONAL PROPERTY OF PERSONS AND ADDRESS OF THE PERSONS ASSESSMENT OF THE PERSON ASSESSMENT OF T

PARK & PERSON LINE AS THE PERSON NAMED IN

Exact

marketing area is hard to come by ...

but too firms say Big. Big. Big!

Support Exact See into States on at Service See at the Service See at

Dring, we king, recordered, colored,

Soul make to "the section of Auditorials and the section of the se

bled Every Day For Work and Play THE CITY OF MICKSONVILLE PLANNING

Blackly and Weter Stilleles

LETTERS dentice Fred ordennes the equation of its renders on the inters raised in the

Eve Response

ton stick catchel Blown Inter-

"Here F & Option y the Copyright

Telemetry Bands

magnatur's editored reduction. Moreover, fortest to the Edwar, detection Erech. 228 N. 42 No. Very York N. Y. You to keep freyers under 500 words and admit the first Ye will. Menny free here been flig for First New Arm. CAA NACA and work.

Suggested Method

Anti-Gravity

AVIATION WEEK Morel St. 1956



Motors Matched Power Team

of Allison Prop-Jet Engines and Aeroproducts Turbo-Propellers Brings Flight-Proved Jet-Age Power to Airlines of the World in The New Lockheed Electra



ELEVER ARLINES CHOOSE ALLISON PROP-JET POWERT. Be deshibity of Allison Prop-Jet power analysts to Lockhoel Getera to solve major problems facing the altinte trasportation industry—bringing jet-ag speeds and comfort to medium and short-range flights conomically. These flights make up more than 90% of all air rower! The Electra, with its flow Allison Prop-Jet engines and Aeroproducts. Turbo-propellers developing a total of 15,000 horsepower, can operate from existing airports quietly and efficiently under present air traffic control patterns. Electra purchases totaling \$300,000,000 have been placed by II world airlines—a demonstration of their confidence in the ability of this luxurious airliner to fulfill its mission for air travelers everywhere.

